

OXYGEN ANALYZER (BASIC SERIES) FORENSICS DETECTORS™

**FORENSICS
DETECTORS**



** WARNING **

- KEEP DETECTOR **AWAY** FROM ELECTROMAGNETIC & MAGNETIC INTERFERENCES (i.e. PHONES & MAGNETS)
- STORE DETECTOR **WITHIN SPECIFICATIONS**
- IF UNWELL, SEEK CLEAN AIR & MEDICAL HELP.
- **DO NOT** OPEN THE UNIT
- **KEEP AWAY** FROM DUST & PARTICULATE AND NEVER EXPOSE TO EXHAUST GAS or CONCENTRATED VAPORS, HARSH CHEMICALS AS IT MAY POISON THE SENSOR
- **FOLLOW INSTRUCTIONS AS THE DETECTOR IS VERY SENSITIVE**

INTRODUCTION

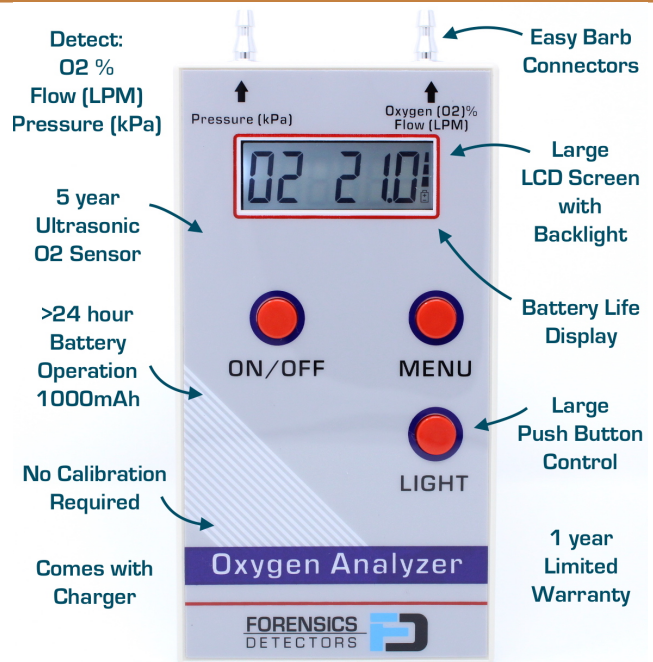
You have purchased the **OXYGEN ANALYZER** by **FORENSICS DETECTORS™**. This is our **BASIC SERIES** detector made for easy single button use with simple and easy functionality. The oxygen analyzer is designed to detect high oxygen levels that are produced from oxygen generators, oxygen concentrators, oxygen systems and similar devices that generate oxygen using ambient air. This instrument will confirm oxygen concentration (O₂), flow (F) and pressure (P) and is a useful and accurate way to check the correct and reliable operation of a oxygen system. The new device is already calibrated so just Turn ON and GO!

BATTERY CHARGING

The product has a built-in lithium battery and is charged via the supplied charger +12VDC. Battery operation can last for over 24 hours if the backlight is OFF. Analyzer switches off automatically after 15 minutes to save battery power.

OXYGEN DETECTION

ON/OFF: Press POWER button for 1 second. The analyzer will turn ON. It will say HELLO and then will show the main screen that displays the detected oxygen concentration. On startup it should always read a oxygen (O₂) concentration of 21%, which is the normal concentration in ambient air. The battery power and bar icon is also displayed. From this point forward, oxygen is automatically detected and the corresponding concentration is displayed. Attach your tubing to the Oxygen barb input and start detecting oxygen.



OXYGEN FLOW

Press MENU button: Go to the FLOW (F) detection screen. This feature is useful to determine the flow of your oxygen in LPM (liters per minute). Ensure the oxygen air supply tubing is in the Flow barb inlet.



OXYGEN PRESSURE

Press MENU button: Next shows the PRESSURE (P) detection screen. This feature is useful to determine the oxygen pressure (kPa). Ensure the oxygen air supply tubing is in the Pressure barb inlet.



SPECIFICATIONS

Sensor: Ultrasonic oxygen sensor
 Sensor Life: 5 years (comes with calibration certificate)
 O₂ Range: 21% - 100%, Error < ±1.5% of reading
 O₂ Flow Range: 0 -10 LPM, Error < ±0.2 LPM
 O₂ Pressure Range: 0 - 199 kPa, Error < ± 2 kPa
 Recovery/ Response Time: < 30 seconds
 Storage / Operating Temperature: 14F-130F
 Storage / Operating Humidity: <95%RH
 Battery: DC +12V Li-Ion battery 1000mAh
 Dimension/Weight: 7x3.7x1.4inches, 10.4oz
 Charging Time: 4 hours, Operating Time: >24 hours
 Calibration: not required
 Expected Life: 5 years



Support & Sales

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OXYGEN ANALYZER (BASIC SERIES)

FORENSICS DETECTORS™



Forensics Detectors also offers a variety of gas detectors for any application.

Gas	Range	Low Alarm	High Alarm
H2	0-1000ppm	35ppm	250ppm
H2S	0-100ppm	10ppm	15ppm
CO	1000ppm	35ppm	200ppm
CO2	0-50,000ppm	1000ppm	2000ppm
C2H4O	0-20ppm	10ppm	15ppm
O2	0-30%	19.5%	23.5%
NH3	0-100ppm	25ppm	50ppm
Cl2	0-20ppm	5ppm	10ppm
O3	0-20ppm	5ppm	10ppm
SO2	0-20ppm	2ppm	5ppm
PH3	0-20ppm	0.3ppm	5ppm
NO	0-250ppm	20ppm	50ppm
NO2	0-20ppm	5ppm	10ppm
HCN	0-500ppm	10ppm	20ppm
HCl	0-50ppm	10ppm	20ppm
CH2O	0-10ppm	2ppm	5ppm
VOC	0-100ppm	20ppm	50ppm

PROFESSIONAL SERIES



INDUSTRIAL SERIES



MINI SERIES



Product Designed in California, USA
 Product Tested, QA/QC in California, USA
 Product Calibration Verification in California, USA
 Product Packaged in California, USA
 Product Made in China

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